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OM protein - protein search, using sw model

Run on: June 25, 2003, 14:55:36 ; Search time 16.686 Seconds
(without alignments)
680.911 Million cell updates/sec

Title: US-09-622-613b-6

Perfect score: 583
Sequence: 1 MDMWTFQKHLTNTRDVDC.....TFCVTCENQAPVHFVGVGHC 105

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 417779 seqs, 108206813 residues

Total number of hits satisfying chosen parameters: 417779

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications_AA:*

- 1: /cgn2_6/ptodata/1/pubppaa/US08_NEW_PUB.pep:*
- 2: /cgn2_6/ptodata/1/pubppaa/PCR_NEW_PUB.pep:*
- 3: /cgn2_6/ptodata/1/pubppaa/US06_NEW_PUB.pep:*
- 4: /cgn2_6/ptodata/1/pubppaa/US06_PUBCOMB.pep:*
- 5: /cgn2_6/ptodata/1/pubppaa/US07_NEW_PUB.pep:*
- 6: /cgn2_6/ptodata/1/pubppaa/US07_PUBCOMB.pep:*
- 7: /cgn2_6/ptodata/1/pubppaa/PCYUS_PUBCOMB.pep:*
- 8: /cgn2_6/ptodata/1/pubppaa/US08_PUBCOMB.pep:*
- 9: /cgn2_6/ptodata/1/pubppaa/US09_NEW_PUB.pep:*
- 10: /cgn2_6/ptodata/1/pubppaa/US09_PUBCOMB.pep:*
- 11: /cgn2_6/ptodata/1/pubppaa/US10_NEW_PUB.pep:*
- 12: /cgn2_6/ptodata/1/pubppaa/US10_PUBCOMB.pep:*
- 13: /cgn2_6/ptodata/1/pubppaa/US60_NEW_PUB.pep:*
- 14: /cgn2_6/ptodata/1/pubppaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	583	100.0	105	US-09-948-391A-6	Sequence 6, Appli
2	578	99.1	105	US-09-948-391A-13	Sequence 13, Appli
3	578	99.1	127	US-09-948-391A-28	Sequence 28, Appli
4	573	98.3	104	US-09-948-391A-11	Sequence 11, Appli
5	569	97.6	104	US-09-948-391A-2	Sequence 2, Appli
6	569	97.6	104	US-09-948-391A-4	Sequence 4, Appli
7	565	96.9	105	US-09-948-391A-8	Sequence 8, Appli
8	565	96.9	111	US-09-948-391A-9	Sequence 9, Appli
9	561	96.2	105	US-10-153-882-2	Sequence 2, Appli
10	551	94.5	104	US-09-986-119-1	Sequence 1, Appli
11	445	76.3	83	US-09-986-119-3	Sequence 3, Appli
12	282.5	48.5	111	US-09-948-391A-21	Sequence 21, Appli
13	282.5	48.5	117	US-09-948-391A-22	Sequence 22, Appli
14	281.5	48.3	110	US-09-948-391A-15	Sequence 15, Appli
15	281.5	48.3	111	US-09-948-391A-26	Sequence 26, Appli
16	280.5	48.1	111	US-09-948-391A-17	Sequence 17, Appli
17	276.5	47.4	110	US-09-948-391A-24	Sequence 24, Appli
18	271.5	46.6	110	US-09-948-391A-19	Sequence 19, Appli
19	157.5	27.0	12	US-10-016-447-2	Sequence 2, Appli

20	128.5	22.0	124	US-10-016-447-5	Sequence 5, Appli
21	113	19.4	147	US-09-286-240-6	Sequence 6, Appli
22	113	19.4	147	US-09-863-777-2	Sequence 2, Appli
23	113	19.4	124	US-09-731-872-254	Sequence 254, Appli
24	112	19.2	147	US-09-981-286A-8	Sequence 8, Appli
25	99.5	17.1	131	US-10-016-447-6	Sequence 6, Appli
26	89.5	15.4	156	US-09-796-753-102	Sequence 102, App
27	89.5	15.4	156	US-09-796-753-118	Sequence 118, App
28	89.5	15.4	156	US-10-245-103-60	Sequence 60, Appli
29	89.5	15.4	156	US-10-245-107-60	Sequence 60, Appli
30	89.5	15.4	156	US-10-245-143-60	Sequence 60, Appli
31	89.5	15.4	156	US-10-245-771-60	Sequence 60, Appli
32	89.5	15.4	156	US-10-245-851-60	Sequence 60, Appli
33	89.5	15.4	156	US-10-245-883-60	Sequence 60, Appli
34	89.5	15.4	156	US-10-237-535-60	Sequence 60, Appli
35	89.5	15.4	156	US-10-238-183-60	Sequence 60, Appli
36	89.5	15.4	156	US-10-238-283-60	Sequence 60, Appli
37	89.5	15.4	156	US-10-238-370-60	Sequence 60, Appli
38	89.5	15.4	156	US-10-245-055-60	Sequence 60, Appli
39	89.5	15.4	156	US-10-245-147-60	Sequence 60, Appli
40	89.5	15.4	156	US-10-245-730-60	Sequence 60, Appli
41	89.5	15.4	156	US-10-245-739-60	Sequence 60, Appli
42	89.5	15.4	156	US-10-246-210-60	Sequence 60, Appli
43	89.5	15.4	156	US-10-239-186-60	Sequence 60, Appli
44	89.5	15.4	156	US-10-243-024-60	Sequence 60, Appli
45	89.5	15.4	156	US-10-243-409-60	Sequence 60, Appli

ALIGNMENTS

RESULT 1
US-09-948-391A-6
Sequence 6, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 6
LENGTH: 105
TYPE: PRT
FEATURE: Artificial Sequence
OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
OTHER INFORMATION: ribonuclease with Met at position 1 (recombinant
OTHER INFORMATION: Met(-1) RapR1)
US-09-948-391A-6
Query Match 100.0%; Score 583; DB 9; Length 105;
Best Local Similarity 100.0%; Pred. No. 4.1e-57;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MDMWTFQKHLTNTRDVDCNNINMSTNLFHCKDKNTFTYSPPEPKAKGIIISKNVLT 60
DB 1 MDMWTFQKHLTNTRDVDCNNINMSTNLFHCKDKNTFTYSPPEPKAKGIIISKNVLT 60
QY 61 TSEFYLDCNVTSRPCKYKLRKSTNFTCVTCENQAPVHFVGVGHC 105
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1  APPLICANT: Department of Health and Human Services
2  TITLE OF INVENTION: Recombinant Anti-Tumor
3  FILE REFERENCE: 015280-343110US
4  CURRENT APPLICATION NUMBER: US/09/948,391A
5  CURRENT FILING DATE: 2002-05-10
6  PRIOR APPLICATION NUMBER: US 60/079,751
7  PRIOR FILING DATE: 1998-03-27
8  PRIOR APPLICATION NUMBER: WO PCT/US99/06641
9  PRIOR FILING DATE: 1999-03-26
10 PRIOR APPLICATION NUMBER: US 09/622,613
11 PRIOR FILING DATE: 2000-08-17
12 NUMBER OF SEQ ID NOS: 43
13 SOFTWARE: PatentIn Ver. 2.0
14 SEQ ID NO 2
15 LENGTH: 104
16 TYPE: PRT
17 ORGANISM: Rana pipiens
18 FEATURE:
19 OTHER INFORMATION: ribonuclease (RaplR1)
20 US-09-948-391A-2

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Query Match	97.68;	Score 569;	DB 9;	Length 104;
Best Local Similarity	99.08;	Pred. No. 1.4e-55;		
Matches 103; Conservative	0;	Mismatches 1;	Indels 0;	Gaps 0;

QY	QY	QY	QY
2	QDMLEFQKHLJLTJTVTDVDCNNINISTNLFHCKDKDNFTIYSRPEYVAKICKGIIISKAVLVT	61	
Db	1	QDMLEFQKHLJLTJTVTDVDCNNINISTNLFHCKDKDNFTIYSRPEYVAKICKGIIISKAVLVT	60
QY	62	SEFLSLDCNNTSRRCCKKLKSKSTNTFCYCENAPVHPGVGHC	105
Db	61	SEFLSLDCNNTSRRCCKKLKSKSTNTFCYCENAPVHPGVGHC	104

RESULT 6
US-09-948-391A-4
Sequence 4, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by the Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948.391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4
LENGTH: 104
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
OTHER INFORMATION: ribonuclease with Met23Ileu substitution
US-09-948-391A-4

Query Match	97.68;	Score 569;	DB 9;	length 104;
Best Local Similarity	98.13;	Pred. No. 1, 4e-55;		
Matches 102; Conservative	1;	Mismatches	1;	Indels 0; Gaps
QY	2	ODMLTFOKKHLITNRDVCNNIMSTNLFHCKDKNTFYSPPEVKAICKITASKNVLT	61	
Db	1	QDMLTFOKKHLITNRDVCNNIMSTNLFHCKDKNTFYSPPEVKAICKITASKNVLT	60	

Qy	62 SEFYISDCNVTSRPCKYKLLKSTNTFCVTCENAPVHFGVGHC 105
Db	61 FEFYISDCNVTSRPCKYKLLKSTNTFCVTCENAPVHFGVGHC 104

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US-09-948-391A-8
: Sequence 8, Application US/09948391A
: Publication No. US2003002731A1
: GENERAL INFORMATION:
: APPLICANT: Rybak, Susanna M.
: APPLICANT: Newton, Dianne L.
: APPLICANT: The United States of America
: APPLICANT: as represented by the Secretary of the
: APPLICANT: Department of Health and Human Services
: TITLE OF INVENTION: Recombinant Anti-Tumor Kinase
: FILE REFERENCE: 015280-343110US
: CURRENT APPLICATION NUMBER: US/09/948,391A
: PRIOR FILING DATE: 2002-05-10
: PRIOR APPLICATION NUMBER: US 60/079,751
: PRIOR FILING DATE: 1998-03-27
: PRIOR APPLICATION NUMBER: WO PCT/US99/06641
: PRIOR FILING DATE: 1999-03-26
: PRIOR APPLICATION NUMBER: US 09/622,613
: PRIOR FILING DATE: 2000-08-17
: NUMBER OF SEQ ID NOS: 43
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 8
: LENGTH: 105
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
: OTHER INFORMATION: ribonuclease with Met at position 1 and Met24Ileu
: OTHER INFORMATION: substitution (recombinant Met(-1) RaaPurI Met23Ileu)
US-09-948-391A-8

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Query Match	96.9%	Score 565	DB 9	Length 105
Best Local Similarity	97.1%	Pred No. 4e-55		
Matches 102; Conservative	1	Mismatches 2	Indels 0	Gaps 0

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Db	1	MODLTFQOKHLTTRPDVDCNNIMSTNLFPHCKDKDNTEIYSRPEPYVKAICKGIITASKNNVL 6
QY	61	TSEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENADPAHYEVGVCIC 105
Db	61	TSEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENADPAHYEVGVCIC 105

RESULT 8
US-09-948-391A-9
Sequence 9, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: 2002-05-10
CURRENT FILING DATE: 2002-02-09, 948, 391A
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 9
LENGTH: 111
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
OTHER INFORMATION: ribonuclease with (His)6 tag; Met at position 7
OTHER INFORMATION: and Met30Leu substitution (recombinant Met(-1))
OTHER INFORMATION: RapLRI Met23Leu (His)6
US-09-948-391A-9

Query Match 96.9%; Score 565; DB 9; Length 111;
Best Local Similarity 97.1%; Pred. No. 4.3e-55;
Matches 102; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MODWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFTYSRPEPKAICKGIASKNVLT 60
DB 7 MODWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFTYSRPEPKAICKGIASKNVLT 66
QY 61 TSEFVLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVC 105
DB 67 TSEFVLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVC 111

RESULT 9
US-10-153-882-2
Sequence 2, Application US/10153882
Publication NO. US2003009629A1
GENERAL INFORMATION:
APPLICANT: GOLDENBERG, David M.
APPLICANT: HANSEN, Hans
APPLICANT: LEUNG, Shui-on
TITLE OF INVENTION: RECOMBINANT ONCONASE, AND CHEMICAL CONJUGATES AND
TITLE OF INVENTION: FUSION PROTEINS OF RECOMBINANT ONCONASE
FILE REFERENCE: 018733/0913
CURRENT APPLICATION NUMBER: US/10/153,882
PRIOR FILING DATE: 2002-05-24
PRIOR APPLICATION NUMBER: US/09/265,901
PRIOR FILING DATE: 1999-03-11
PRIOR APPLICATION NUMBER: US 60/077,557
PRIOR FILING DATE: 1998-03-11
NUMBER OF SEQ ID NOS: 12
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 2
LENGTH: 105
TYPE: PRT
ORGANISM: Rana pipiens
US-10-153-882-2

Query Match 96.2%; Score 561; DB 9; Length 105;
Best Local Similarity 96.2%; Pred. No. 1.1e-54;
Matches 101; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 MODWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFTYSRPEPKAICKGIASKNVLT 60
DB 1 MODWLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFTYSRPEPKAICKGIASKNVLT 60
QY 61 TSEFVLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVC 105
DB 61 TSEFVLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVC 105

RESULT 10
US-09-986-119-1
Sequence 1, Application US/09986119
Publication No. US20020187153A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
TITLE OF INVENTION: Immunotoxins Directed Against Malignant
Cells
NUMBER OF SEQUENCES: 3

CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/986,119
FILING DATE: 07-NOV-2002
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/071,672
FILING DATE: 01-MAY-1998
APPLICATION NUMBER: US 60/046,895
FILING DATE: 02-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Ellen Lauver
REGISTRATION NUMBER: 32,762
REFERENCE/DOCKET NUMBER: 015280-32510US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: amino acid
STRANDEDNESS: <unknown>
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Modified-site
LOCATION: 1
OTHER INFORMATION: /product= "OTHER"
/note= "Xaa = Glu or pyroglutamic acid"

Query Match 94.5%; Score 551; DB 9; Length 104;
Best Local Similarity 96.1%; Pred. No. 1.4e-53;
Matches 99; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 3 DMLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFTYSRPEPKAICKGIASKNVLT 62
DB 2 DMLTFQKKHLTNTRDVCNNIMSTNLFHCKDKNTFTYSRPEPKAICKGIASKNVLT 61
QY 63 EFTVLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVC 105
DB 62 EFTVLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVC 104

RESULT 11
US-09-986-119-3
Sequence 3, Application US/09986119
Publication No. US20020187153A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
TITLE OF INVENTION: Immunotoxins Directed Against Malignant
Cells
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:

```

: ADDRESSEE: Townsend and Townsend and Crew LLP
: STREET: Two Embarcadero Center, Eighth Floor
: CITY: San Francisco
: STATE: California
: COUNTRY: USA
: ZIP: 94111-3834
:
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent Release #1.0, Version #1.30
:
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/986,119
: FILING DATE: 07-No. US20020187153A1-2001
: CLASSIFICATION: <Unknown>
:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US/09/071,672
: FILING DATE: 01-MAY-1998
: APPLICATION NUMBER: US 60/046,895
: FILING DATE: 02-MAY-1997
: ATTORNEY/AGENT INFORMATION:
: NAME: Weber, Ellen Lauver
: REGISTRATION NUMBER: 32,762
: REFERENCE/DOCKET NUMBER: 015280-325100S
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (415) 576-0200
: TELEFAX: (415) 576-0300
:
: INFORMATION FOR SEQ ID NO: 3:
:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 83 amino acids
: TYPE: amino acid
: STRANDEDNESS: <Unknown>
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: FEATURE:
: NAME/KEY: Protein
: LOCATION: 1..83
: OTHER INFORMATION: /note= "onc protein", positions 16-98
: of SEQ ID NO:1"
:
: SEQUENCE DESCRIPTION: SEQ ID NO: 3:
:
: US-09-986-119-3
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: Query Match          76.3%: Score 445: DB 9: Length 83:
: Best Local Similarity 97.6%: Pred. No. 5.5e-42:
: Matches 81: Conservative 1: Mismatches 1: Indels 0: Gaps 0:
:
: QY 17 DVCNINMSTNLFHCKDKNFTYISRPYVKAICKGIASKNVLTSTSEYISDCNVTSPRC 76
:      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
: Db 1 DVCNINMSTNLFHCKDKNFTYISRPYVKAICKGIASKNVLTSTSEYISDCNVTSPRC 60
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: QY 77 KYKLKSKNTFCVCENAPVHF 99
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: Db 61 KYKLKSKNTFCVCENAPVHF 83
:
: RESULT 12
: US-09-948-391A-21
: Sequence 21, Application US/09948391A
: Publication No. US20030027311A1
: GENERAL INFORMATION:
: APPLICANT: Rybak, Susanna M.
: APPLICANT: Newton, Dianne L.
: APPLICANT: The United States of America
: APPLICANT: as represented by The Secretary of the
: TITLE OF INVENTION: Department of Health and Human Services
: FILE REFERENCE: 015280-343110US
: CURRENT APPLICATION NUMBER: US/09/948,391A
: CURRENT FILING DATE: 2002-05-10
: PRIOR APPLICATION NUMBER: US 60/079,751
: PRIOR FILING DATE: 1998-03-27
: PRIOR APPLICATION NUMBER: WO PCT/US99/06641
: PRIOR FILING DATE: 1999-03-26

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: PRIOR APPLICATION NUMBER: US 09/622,613
: PRIOR FILING DATE: 2000-08-17
: NUMBER OF SEQ ID NOS: 43
: SOFTWARE: Patent In Ver. 2.0
: SEQ ID NO 21
: LENGTH: 111
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence:Rana
: OTHER INFORMATION: catesbeiana ribonuclease with Met at position 1,
: OTHER INFORMATION: Met231eu and Met581eu substitutions (recombinant
: OTHER INFORMATION: Met(-1) RacOR1 Met221eu Met571eu)
:
: US-09-948-391A-21
:
: Query Match          48.5%: Score 282.5: DB 9: Length 111:
: Best Local Similarity 49.1%: Pred. No. 7.1e-24:
: Matches 55: Conservative 16: Mismatches 32: Indels 9: Gaps 4:
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: QY 1 MODLTFQKHLUTRDVDCNNIMSTNLF---HCKDKNFTYISRPYVKAICKGIASK 56
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: Db 1 MODLTFQKHLUTRDVDCNNIMSTNLF---HCKDKNFTYISRPYVKAICKGIASK 56
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: QY 57 NVLTSTSEYISDC---NVTSPRCYKYLKSKNTFCVCENAPVHFVGVHC 105
:      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
: Db 59 NVLTSTTRQNLNCTRTSITPRPCYSSRTETNYICVENCENGVPHFAGIGRC 110
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: RESULT 13
: US-09-948-391A-22
: Sequence 22, Application US/09948391A
: Publication No. US20030027311A1
: GENERAL INFORMATION:
: APPLICANT: Rybak, Susanna M.
: APPLICANT: Newton, Dianne L.
: APPLICANT: The United States of America
: APPLICANT: as represented by The Secretary of the
: TITLE OF INVENTION: Department of Health and Human Services
: FILE REFERENCE: 015280-343110US
: CURRENT APPLICATION NUMBER: US/09/948,391A
: CURRENT FILING DATE: 2002-05-10
: PRIOR APPLICATION NUMBER: US 60/079,751
: PRIOR FILING DATE: 1998-03-27
: PRIOR APPLICATION NUMBER: WO PCT/US99/06641
: PRIOR FILING DATE: 1999-03-26
: PRIOR APPLICATION NUMBER: US 09/622,613
: PRIOR FILING DATE: 2000-08-17
: NUMBER OF SEQ ID NOS: 43
: SOFTWARE: Patent In Ver. 2.0
: SEQ ID NO 22
: LENGTH: 117
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence:Rana
: OTHER INFORMATION: catesbeiana ribonuclease with (His)6 tag, Met at
: OTHER INFORMATION: position 7, Met231eu and Met581eu substitutions
: OTHER INFORMATION: (recombinant Met(-1) RacOR1 Met221eu Met571eu) (His)6)
:
: US-09-948-391A-22
:
: Query Match          48.5%: Score 282.5: DB 9: Length 117:
: Best Local Similarity 49.1%: Pred. No. 7.5e-24:
: Matches 55: Conservative 16: Mismatches 32: Indels 9: Gaps 4:
:
: QY 1 MODLTFQKHLUTRDVDCNNIMSTNLF---HCKDKNFTYISRPYVKAICKGIASK 56
:      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
: Db 7 MODLTFQKHLUTRDVDCNNIMSTNLF---HCKDKNFTYISRPYVKAICKGIASK 64
:
: QY 57 NVLTSTSEYISDC---NVTSPRCYKYLKSKNTFCVCENAPVHFVGVHC 105
:      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
: Db 65 NVLTSTTRQNLNCTRTSITPRPCYSSRTETNYICVENCENGVPHFAGIGRC 116

```

RESULT 14

US-09-948-391A-15

Sequence 15, Application US/09948391A

Publication No. US20030027311A1

GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.

APPLICANT: Newton, Dianne L.

APPLICANT: The United States of America

APPLICANT: as represented by the Secretary of the

APPLICANT: Department of Health and Human Services

TITLE OF INVENTION: Recombinant Anti-Tumor RNase

FILE REFERENCE: 015280-343110US

CURRENT APPLICATION NUMBER: US/09/948,391A

CURRENT FILING DATE: 2002-05-10

PRIOR APPLICATION NUMBER: US 60/079,751

PRIOR FILING DATE: 1998-03-27

PRIOR APPLICATION NUMBER: WO PCT/US99/06641

PRIOR FILING DATE: 1999-03-26

PRIOR APPLICATION NUMBER: US 09/622,613

PRIOR FILING DATE: 2000-08-17

NUMBER OF SEQ ID NOS: 43

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 15

LENGTH: 110

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Rana

OTHER INFORMATION: catesbeiana oocyte ribonuclease (RacOR1) synthetic

OTHER INFORMATION: gene modified to use E. coli preferred codons

US-09-948-391A-15

Query Match

Best Local Similarity 48.3%; Score 281.5; DB 9; Length 110;

Matches 55; Conservative 15; Mismatches 32; Indels 9; Gaps 4;

QY 2 QDWLTFQKHLNTRDVCNNIMSTNLF---HCKDKNTFTYSRPEPVKAICKGIASKN 57

DB 1 QNMATFQOKHINT-PIICNTIMDNNTIYVGGQCKRVNTFTISSATTVKAICTGVI-NMN 58

QY 58 VLTSEFYLSDC---NVTSRPCKYKLLKSTNFTFCVTCENQAPVHFVGCHC 105

DB 59 VLTSTRQNLNCTRTSTTPRCPPYSSRTETNYICVKCENQYPVHFAGIGRC 109

RESULT 15

US-09-948-391A-26

Sequence 26, Application US/09948391A

Publication No. US20030027311A1

GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.

APPLICANT: Newton, Dianne L.

APPLICANT: The United States of America

APPLICANT: as represented by the Secretary of the

APPLICANT: Department of Health and Human Services

TITLE OF INVENTION: Recombinant Anti-Tumor RNase

FILE REFERENCE: 015280-343110US

CURRENT APPLICATION NUMBER: US/09/948,391A

CURRENT FILING DATE: 2002-05-10

PRIOR APPLICATION NUMBER: US 60/079,751

PRIOR FILING DATE: 1998-03-27

PRIOR APPLICATION NUMBER: WO PCT/US99/06641

PRIOR FILING DATE: 1999-03-26

PRIOR APPLICATION NUMBER: US 09/622,613

NUMBER OF SEQ ID NOS: 43

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 26

LENGTH: 111

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Rana
 OTHER INFORMATION: catesbeiana ribonuclease with Met at position 1
 OTHER INFORMATION: and GluSer substitution (Met(-1) RacOR1 Q1S)
 US-09-948-391A-26

Query Match

Best Local Similarity 48.3%; Score 281.5; DB 9; Length 111;

Matches 55; Conservative 15; Mismatches 33; Indels 9; Gaps 4;

QY 1 MODLTFQKHLNTRDVCNNIMSTNLF---HCKDKNTFTYSRPEPVKAICKGIASKN 56

DB 1 MSNATFQOKHINT-PIICNTIMDNNTIYVGGQCKRVNTFTISSATTVKAICTGVI-NM 58

QY 57 VLTSEFYLSDC---NVTSRPCKYKLLKSTNFTFCVTCENQAPVHFVGCHC 105

DB 59 VLTSTRQNLNCTRTSTTPRCPPYSSRTETNYICVKCENQYPVHFAGIGRC 110

Search completed: June 25, 2003, 15:42:14

Job time: 17.686 secs